

1449/PTO		U.S. Department of Commerce Patent and Trademark Office		Patent and Trademark Office U.S. DEPARTMENT OF COMMERCE		
				Application No. : 10/583,307		
				Filing Date : June 14, 2006		
				First Named Inventor: SADAKATA, Kiyoshi		
				Group Art Unit :		
				Examiner Name :		
				Attorney Docket No. : KAM 22.600 (100799-00133)		

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	U.S. Patent Document	Kind Code ^{if known²}	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns Lines Where Relevant Passages or Relevant Figures Appear
		US 5,623,756		YANAGIDATE ET AL	04-29-1997	
		US 6,574,850		SADAKATA	06-10-2003	
		US 6,701,602		SADAKATA	03-09-2004	
		US 6,619,694		SADAKATA	09-16-2003	
		US 4,991,871		SADAKATA	02-12-1991	Provided as English abstract for H08-5095, which is mentioned in current specification

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	Foreign Patent Document Office ³ Number ⁴	Kind Code ⁵ (if known)	Country	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns Lines Where Relevant Passages or Relevant Figures Appear
		JP 2002-37088 A		JP	TOYOTA MOTOR CORP.	02-06-2002	Mentioned in International Search Report dated Sept. 13, 2005; Column 3, lines 15 to 16, 21 to 29, 34 to 43; Fig. 3
		WO 01/15958 A1		WO	TOYOTA MOTOR CORP.	03-08-2001	Mentioned in International Search Report dated Sept. 13, 2005; Column 16, lines 4 to 11, 22 to column 17, line 3; Figs. 17, 19, 23 & EP 1234745 A1
		JP 2004-9921 A		JP	KOYO SEIKO CO., Ltd.	01-15-2004	Mentioned in International Search Report dated Sept. 13, 2005; Par Nos. [0003], [0005], [0006], [0008]
		JP 9-24842 A		JP	NSK Ltd.	01-28-1997	Mentioned in International Search Report dated Sept. 13, 2005; Fig. 5
		JP 2004-130849		JP	KOYO SEIKO CO LTD	04-30-2004	Mentioned in current specification
		JP 6-8150		JP	NSK Ltd.	02-01-1994	Mentioned in current specification; English abstract attached.
		JP 63-255171		JP	NIPPON SEIKO KK	10-21-1988	Mentioned in current specification
		JP 11-171029		JP	SUZUKI MOTOR CORP	06-29-1999	Mentioned in current specification
		JP 08-142885		JP	KOYO SEIKO CO LTD	06-04-1996	Mentioned in current specification
		H08-5095		JP	NIPPON SEIKO KABUSHIKI KAISHA	02-14-1996	Mentioned in current specification; US Patent 4,991,871 is attached.
		H03-81433		JP	SADAKATA	08-20-1991	Mentioned in current specification; English abstract attached.
		Hei 6-65149		JP	KUROISHI Tekko, Co, Ltd.	09-13-1994	Mentioned in current specification; English abstract attached.
		Hei 1-145771		JP	SANGO Co., Ltd.	10-06-1989	Mentioned in current specification; English abstract attached.
		Hei 1-145770		JP	SANGO Co., Ltd.	10-06-1989	Mentioned in current specification; English abstract attached.
		Sho 63-192181		JP	FUJI KIKO Co., Ltd.	12-12-1998	Mentioned in current specification; English abstract attached.
		Sho 62-6074		JP	DAIHATSU MOTOR CO., LTD. SANGO Co., Ltd.	01-14-1987	Mentioned in current specification; English abstract attached.

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), data, page(s), volume-issue number(s), publisher, country, where published, source.	Applicant check here if English language translation attached
		International Search Report and Written Opinion dated September 13, 2005 from the corresponding International Application PCT/JP2005/010618.	
		International Preliminary Report on Patentability dated Dec. 14, 2006.	
		Microfilm of the specification and drawings annexed to the request of Japanese Utility Model Application No. 142034/1989 (Laid-open No. 81433/1991) (NSK Ltd.), 20 August, 1991 (20.08.91), Figs. 3, 6 to 7, 9 to 10 & US 4991871 A1	
Examiner Signature	/Laura Freedman/	Date Considered	05/18/2009

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw a line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.1⁶ if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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